

- Theory of Plate Tectonics

In the blank at the left, write the letter of the term or phrase that best completes each statement.

- [illegible]

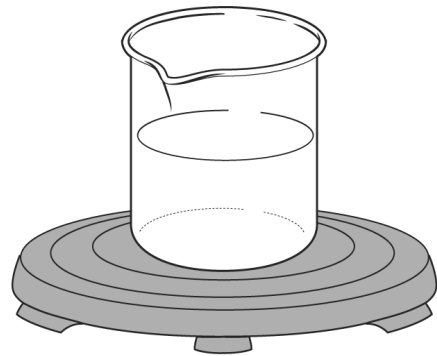
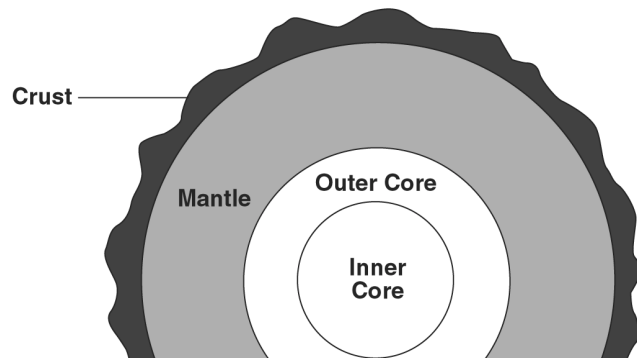
What causes plate tectonics?

Lesson Review

PART A Write the letter of the term that best completes each statement in the spaces provided.

- _____ 1. A convection current is caused by differences in
 a. temperature. b. air pressure. c. mass. d. color.
- _____ 2. Scientists think that the movement of tectonic plates is caused by
 a. conveyor belts b. heat in Earth's core.
 c. pressure in Earth's crust. d. convection currents.
- _____ 3. Tectonic plates that move apart most likely are located along
 a. mountains. b. continents. c. islands. d. rift valleys.
- _____ 4. In Earth, hot melted rock rises from the
 a. core. b. crust. c. inner core. d. mantle.

PART B Draw arrows on each diagram to show a convection current. Use red arrows for hot and blue arrows for cool.



Skill Challenge

On each diagram below, draw arrows to show the different ways in which tectonic plates move.

